Claims 1-35 (canceled).

Claim 36 (new) A system for picking up objects over a delimited surface comprising an automatic mobile machine provided with an on-board computer and a power source,

the machine having means to pick up and store the objects in a container,

the machine being programmed to return to a station and to automatically unload the objects at the station.

Claim 37 (new) A system as claimed in claim 36, wherein the station has a means to transmit at least one directional beam, the machine having a receiver to receive the at least one directional beam such that the machine may be controlled to direct the machine to the station.

Claim 38 (new) A system as claimed in claim 36, wherein the station comprises an object recovery bowl, equipped with an object lifting system, and connected to a duct which is adapted to convey the objects at least partly by gravity from the mobile machine.

Claim 39 (new) The system as claimed in claim 36, wherein the station is raised, the station having ramps connected to a platform, the mobile machine being directed onto the platform, a recovery bowl being disposed under the platform wherein the container in the mobile machine is emptied into the recovery bowl.

Claim 40 (new) The system as claimed in claim 39, wherein the container for objects has a door, the door being opened by the computer to empty the container.

Claim 41 (new) The system as claimed in claim 36, further comprising the station having a means to recharge the power source.

Claim 42 (new) The system as claimed in claim 36, wherein the station has at least one fixed rail which is adapted to come in contact with one of two side brushes carried by the automatic mobile machine.

Claim 43 (new) The system as claimed in claim 36, further having a detector, the detector sensing when the power source is in need of recharging and when the container is full of objects such that the detector directs the machine to the station.

Claim 44 (new) The system as claimed in claim 43, wherein a recharging means and an object unloading means are coupled.

Claim 45 (new) The system as claimed in claim 36, wherein the machine has a plurality of spaced-apart flexible discs connected to a transverse rotation shaft such that the objects become wedged between adjacent flexible discs,

a plurality of fingers disposed transversely on the machine between the flexible discs to extract the objects out of the discs wherein the objects fall into the container.

Claim 46 (new) The system as claimed in claim 36, wherein the objects are golf balls.

Claim 47 (new) A method for picking up and collecting golf balls in a golf practice without interrupting the players wherein an automatic mobile machine provided with an on-board computer and a power source, and provided with means to pick up and store said golf balls is moved in a substantially random way on said golf practice to pick up and store said golf balls, the machine being programmed to return to, and automatically unload the golf balls, at a station, said station being provided with recharging means for said power source.

Claim 48 (new) A method according to claim 47, wherein the balls are wedged by a plurality of spaced-apart flexible discs connected to a transverse rotation shaft and extracted into a container by a plurality of fingers disposed transversely on the machine between the flexible discs.